

College of Agriculture, Food and Environmental Sciences | SDSU Extension | South Dakota Agricultural Experiment Station

## 2025 South Dakota Winter Wheat Variety Trial Results - Hayes

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Cooperator: Terry Hand

**Location:** 44.3893919°, -101.0334535° **Soil type:** Promise clay, 0-3% slopes

Previous crop: Spring Wheat

Tillage: No-till Row spacing: 7.5"

Seeding rate: 1.2 million PLS/acre

Fertilizer:

- Starter: 10 lbs/acre 10-34-0

- Other: 200 lbs. of urea, 19 gal/a UAN

## Herbicide:

Burndown: Not reportedPost: 1 pt/acre Bison

Fungicide: None

**Date seeded:** 9/18/2024 **Date harvested:** 7/22/2025



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Table 1. Performance trial results for winter wheat varieties (average of 4 replications) conducted in 2025 at Hayes, SD. Entries are sorted by overall 3-year yield. Varieties yielding in the top 1/3 of the trial are bold and shaded light blue.

Height	Lodging*	Test Wt	Protein	2023	2024	2025	2-year	3-year
								(bu/a)
								65.9
								64.7
								63.8
								63.7
								63.2
					!			63.0
								62.8
								62.7
								62.6
	1				!			62.2
	1 1				!			61.3
	1	52.4	15.0	70.8		43.6		61.2
	1	52.9	14.5	64.3	!	39.3		60.5
33	1	53.8	12.1	64.4	73.5	51.7	62.6	60.3
29	1 1	54.6	13.9	62.7	69.3	38.3	53.8	57.5
30	1	53.5	14.7	60.4	67.2	43.8	55.5	57.1
32	1	57.0	12.8	68.7	67.6	51.9	59.8	56.8
32	1 1	54.5	14.1	54.4	65.6	39.5	52.6	53.2
33	1 1	52.5	12.9	-	77.0	52.2	64.6	-
29	1 1	56.1	13.2	-	75.6	49.0	62.3	-
32	1	56.4	14.4	-	75.5	52.7	64.1	-
32	1 1	47.4	15.8	-	-	26.6	-	-
30	1 1	54.9	13.6	-	_	49.4	-	-
28	1 1	52.1	12.8	-	_	44.3	-	-
30	1	56.7	14.5	-	-	43.7	-	-
29	1 1	55.4	14.4	-	_	42.2	_	-
28	1 1	53.1	13.7	-	_	50.5	-	-
28	1 1	56.4	13.6	-	_	48.4	-	-
31	1	53.1	14.1	-	-	43.9	-	-
30	1	54.7	14.7	-	_	45.1	-	-
33	1	53.1	13.3	-	_	48.2	-	-
32	1	50.5	14.7	-	_	39.7	-	_
31.1	1.0	53.5	14.2	68.0	69.6	45.0	57.3	60.9
1.5	_	1.3	0.9	6.2	5.4	7.4	_	_
3.3	_	1.7	4.8	6.5	5.5	9.3	_	_
	(in)  31  31  33  32  33  31  29  32  31  30  33  29  30  32  32  33  29  32  33  29  32  33  29  32  33  29  32  33  30  28  30  28  30  28  30  28  31  30  33  31  30  33  31  31  31  31	(in)         (1-5)           31         1           31         1           33         1           32         1           31         1           29         1           32         1           31         1           32         1           31         1           30         1           33         1           29         1           30         1           32         1           32         1           32         1           32         1           32         1           30         1           29         1           28         1           30         1           28         1           30         1           28         1           30         1           28         1           30         1           33         1           30         1           28         1           31         1           32         1	(in)         (1-5)         (lbs)           31         1         53.7           31         1         53.9           33         1         54.0           32         1         51.3           33         1         52.3           31         1         54.6           29         1         55.8           32         1         54.3           31         1         56.8           32         1         52.3           31         1         56.8           32         1         52.3           31         1         52.3           31         1         56.8           32         1         52.9           33         1         52.9           33         1         52.9           33         1         52.9           33         1         53.8           29         1         54.6           30         1         53.5           32         1         57.0           32         1         56.1           32         1         56.4           32	(in)         (1-5)         (lbs)         %           31         1         53.7         13.6           31         1         53.9         14.1           33         1         54.0         14.0           32         1         51.3         15.5           33         1         52.3         13.7           31         1         54.6         15.4           29         1         55.8         13.3           32         1         54.3         14.4           31         1         56.8         13.2           32         1         52.3         15.0           31         1         56.8         13.2           32         1         52.3         15.0           31         1         54.0         14.4           31         1         52.3         15.0           31         1         54.0         14.4           31         1         52.4         15.0           30         1         52.9         14.5           33         1         53.8         12.1           32         1         54.6         13.9	(in)         (1-5)         (lbs)         %         (bu/a)           31         1         53.7         13.6         70.8           31         1         53.9         14.1         69.2           33         1         54.0         14.0         73.0           32         1         51.3         15.5         74.3           33         1         52.3         13.7         66.2           31         1         54.6         15.4         73.1           29         1         55.8         13.3         66.0           32         1         54.3         14.4         71.0           31         1         56.8         13.2         69.0           32         1         52.3         15.0         72.9           31         1         56.8         13.2         69.0           32         1         52.3         15.0         72.9           31         1         54.0         14.4         68.0           31         1         52.4         15.0         70.8           30         1         52.9         14.5         64.3           33         1	(in)         (1-5)         (lbs)         %         (bu/a)         (bu/a)           31         1         53.7         13.6         70.8         73.7           31         1         53.9         14.1         69.2         73.4           33         1         54.0         14.0         73.0         73.7           32         1         51.3         15.5         74.3         70.2           33         1         52.3         13.7         66.2         77.5           31         1         54.6         15.4         73.1         70.2           29         1         55.8         13.3         66.0         72.8           32         1         54.3         14.4         71.0         74.3           31         1         56.8         13.2         69.0         74.5           32         1         54.3         14.4         71.0         74.3           31         1         56.8         13.2         69.0         74.5           32         1         54.0         14.4         68.0         72.4           31         1         52.9         14.5         64.3         69.1	(in)         (1-5)         (lbs)         %         (bu/a)         (bu/a)         (bu/a)           31         1         53.7         13.6         70.8         73.7         46.9           31         1         53.9         14.1         69.2         73.4         45.9           33         1         54.0         14.0         73.0         73.7         44.3           32         1         51.3         15.5         74.3         70.2         44.6           33         1         52.3         13.7         66.2         77.5         40.1           31         1         52.3         13.7         66.2         77.5         40.1           31         1         54.6         15.4         73.1         70.2         44.4           29         1         55.8         13.3         66.0         72.8         47.9           32         1         54.3         14.4         71.0         74.3         48.8           31         1         56.8         13.2         69.0         74.5         54.1           32         1         52.3         15.0         72.9         66.8         41.7           <	(in)         (1-5)         (lbs)         %         (bu/a)         (bu/a)         (bu/a)         (bu/a)           31         1         53.7         13.6         70.8         73.7         46.9         60.3           31         1         53.9         14.1         69.2         73.4         45.9         59.6           33         1         54.0         14.0         73.0         73.7         44.3         59.0           32         1         51.3         15.5         74.3         70.2         44.4         57.3           31         1         54.6         15.4         73.1         70.2         44.4         57.3           29         1         55.8         13.3         66.0         72.8         47.9         60.3           32         1         54.3         14.4         71.0         74.3         48.8         61.6           31         1         56.8         13.2         69.0         74.5         54.1         64.3           32         1         54.3         14.4         71.0         74.3         48.8         61.6           31         1         56.8         13.2         69.0         74.5 </td

<sup>\*</sup> Lodging score: 1, perfectly standing; to 5, completely flat.

<sup>#</sup> Corrected to 13% moisture. Note: Trial averages may include values from experimental lines that are not reported.

<sup>†</sup> Value required (≥LSD) to determine if varieties are significantly different from one another.

<sup>‡</sup> C.V. is a measure of variability or experimental error, 15% or less is considered acceptable.